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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2017-02-28-02** **Date: 22-03-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer's Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-02-2017
Sample ID No	:	2017-02-28-02/02
Customer ID	:	Cement Concrete Road
Sample Type /Size	:	150X150X150mm
Sample grade/Age	:	M30 / 28
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Road	M30	22/02/2017	22/03/2017	149.19 X 150.22 X 150.52	22411	8.197	757.5	33.8	33.3
2	Cement Concrete Road	M30	22/02/2017	22/03/2017	150.68 X 150.65 X 150.78	22700	8.175	753.6	33.2	
3	Cement Concrete Road	M30	22/02/2017	22/03/2017	150.27 X 150.66 X 150.26	22640	8.188	744.8	32.9	

Note:
The results pertain to the samples received and tested.
All information furnished by the Customer/ Representative
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Prepared by
Harshitha

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 11-03-2017

Lab ID	:	**CP-2017-02-15-03**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer's Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-02-2017
Sample ID No	:	2017-02-15-03/02
Customer ID	:	PCC Concrete
Sample Type /Size	:	150X150X150mm
Sample grade/Age	:	M20 / 28
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC Concrete	M20	10/02/2017	10/03/2017	150.77 X 150.15 X 150.62	22638	8.098	536.5	23.7	23.8
2	PCC Concrete	M20	10/02/2017	10/03/2017	150.28 X 150.65 X 149.09	22640	8.117	541.1	23.9	
3	PCC Concrete	M20	10/02/2017	10/03/2017	150.76 X 150.27 X 150.61	22655	8.164	539.2	23.8	

Note:
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Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-22-01** **Date: 16-03-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-02-2017

Sample ID No : 2017-02-22-01/02

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 28

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Road	M30	15/02/2017	15/03/2017	150.14 X 150.45 X 150.10	22589	8.123	763.5	33.8	34.3
2	Cement Concrete Road	M30	15/02/2017	15/03/2017	150.34 X 150.78 X 150.43	22668	8.109	777.5	34.3	
3	Cement Concrete Road	M30	15/02/2017	15/03/2017	150.38 X 150.90 X 150.21	22692	8.249	789.7	34.8	

Note:
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Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2017-02-22-02** **Date: 16-03-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer's Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-02-2017
Sample ID No	:	2017-02-22-02/02
Customer ID	:	Cement Concrete Road
Sample Type /Size	:	150X150X150mm
Sample grade/Age	:	M30 / 28
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	16/02/2017	16/03/2017	150.23 X 150.34 X 150.24	22586	8.156	765.7	33.9	34.2*
2	Cement Concrete Road	M30	16/02/2017	16/03/2017	150.76 X 150.98 X 150.78	22762	8.187	785.3	34.5	
3	Cement Concrete Road	M30	16/02/2017	16/03/2017	150.90 X 151.10 X 150.87	22801	8.2	779.8	34.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-22-03** **Date: 17-03-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-02-2017

Sample ID No : 2017-02-22-03/02

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 28

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Road	M30	17/02/2017	17/03/2017	150.45 X 150.35 X 150.78	22620	8.110	748.7	33.1	33.8
2	Cement Concrete Road	M30	17/02/2017	17/03/2017	150.24 X 150.78 X 150.89	22653	8.145	767.9	33.9	
3	Cement Concrete Road	M30	17/02/2017	17/03/2017	150.37 X 150.39 X 150.10	22614	8.230	775.7	34.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2017-02-24-03 **Date: 18-03-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-02-2017

Sample ID No : 2017-02-24-03/02

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 28

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Road	M30	18/02/2017	18/03/2017	150.12 X 150.60 X 150.45	22608	8.217	766.4	33.9	34.4
2	Cement Concrete Road	M30	18/02/2017	18/03/2017	150.87 X 150.98 X 150.24	22778	8.160	784.3	34.4	
3	Cement Concrete Road	M30	18/02/2017	18/03/2017	150.29 X 150.90 X 150.35	22679	8.187	791.5	34.9	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2017-02-24-04** **Date: 20-03-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer's Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-02-2017
Sample ID No	:	2017-02-24-04/02
Customer ID	:	Cement Concrete Road
Sample Type /Size	:	150X150X150mm
Sample grade/Age	:	M30 / 28
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	19/02/2017	19/03/2017	150.87 X 149.09 X 150.61	22493	8.198	771.5	34.3	34.1
2	Cement Concrete Road	M30	19/02/2017	19/03/2017	149.32 X 149.01 X 150.55	22250	8.176	752.1	33.8	
3	Cement Concrete Road	M30	19/02/2017	19/03/2017	150.29 X 150.20 X 150.91	22574	8.156	772.0	34.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2017-02-27-03** **Date: 20-03-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer's Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-02-2017
Sample ID No	:	2017-02-27-03/02
Customer ID	:	Cement Concrete Road
Sample Type /Size	:	150X150X150mm
Sample grade/Age	:	M30 / 28
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	20/02/2017	20/03/2017	150.09 X 150.22 X 150.76	22547	8.199	764.3	33.9	33.9
2	Cement Concrete Road	M30	20/02/2017	20/03/2017	150.26 X 149.09 X 150.52	22402	8.105	743.8	33.2	
3	Cement Concrete Road	M30	20/02/2017	20/03/2017	151.27 X 150.17 X 150.09	22716	8.154	786.0	34.6	

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Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2017-02-27-04** **Date: 21-03-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer's Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-02-2017
Sample ID No	:	2017-02-27-04/02
Customer ID	:	Cement Concrete Road
Sample Type /Size	:	150X150X150mm
Sample grade/Age	:	M30 / 28
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	21/02/2017	21/03/2017	151.05 X 150.16 X 150.28	22682	8.181	746.2	32.9	33.3
2	Cement Concrete Road	M30	21/02/2017	21/03/2017	150.57 X 150.62 X 151.76	22679	8.157	764.3	33.7	
3	Cement Concrete Road	M30	21/02/2017	21/03/2017	150.27 X 150.76 X 150.87	22655	8.162	756.7	33.4	

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ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬೆಂಗಳೂರು. ದಕ್ಷಿಣ
ಮಲ್ಲೇಶ್ವರಂ

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Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-22-02** **Date: 24-02-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-02-2017

Sample ID No : 2017-02-22-02/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Road	M30	16/02/2017	23/02/2017	151.20 X 149.75 X 151.30	22642	8.152	534.4	23.6	24.2
2	Cement Concrete Road	M30	16/02/2017	23/02/2017	150.20 X 150.40 X 150.65	22590	8.17	560.2	24.8	
3	Cement Concrete Road	M30	16/02/2017	23/02/2017	150.35 X 150.90 X 149.90	22688	8.155	551.3	24.3	

Note:
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Prepared by
Harshitha

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Quality Manager

****End of Report****

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Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2017-02-22-03** **Date: 25-02-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer's Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-02-2017
Sample ID No	:	2017-02-22-03/01
Customer ID	:	Cement Concrete Road
Sample Type /Size	:	150X150X150mm
Sample grade/Age	:	M30 / 7
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	17/02/2017	24/02/2017	149.75 X 150.80 X 150.25	22582	8.155	548.7	24.3	24.3
2	Cement Concrete Road	M30	17/02/2017	24/02/2017	150.45 X 150.34 X 150.21	22619	8.149	540.6	23.9	
3	Cement Concrete Road	M30	17/02/2017	24/02/2017	150.88 X 150.43 X 150.27	22697	8.125	560.6	24.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-22-01** **Date: 23-02-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-02-2017

Sample ID No : 2017-02-22-01/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Road	M30	15/02/2017	22/02/2017	150.52 X 150.43 X 150.12	22643	8.100	529.8	23.4	24.1
2	Cement Concrete Road	M30	15/02/2017	22/02/2017	150.14 X 151.20 X 149.90	22701	8.125	563.0	24.8	
3	Cement Concrete Road	M30	15/02/2017	22/02/2017	150.25 X 151.45 X 150.23	22755	8.134	548.4	24.1	

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉತ್ತರ-ವಿಭಾಗ
ಬೆಂಗಳೂರು, ದಾಸರಹಳ್ಳಿ

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-24-03** **Date: 25-02-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D. #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-02-2017

Sample ID No : 2017-02-24-03/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Road	M30	18/02/2017	25/02/2017	151.22 X 150.95 X 149.95	22827	8.115	527.3	23.1	23.7
2	Cement Concrete Road	M30	18/02/2017	25/02/2017	150.67 X 150.23 X 150.54	22635	8.215	531.9	23.5	
3	Cement Concrete Road	M30	18/02/2017	25/02/2017	150.35 X 150.89 X 150.12	22686	8.219	555.8	24.5	

Note:
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Harshitha

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2017-02-24-04 **Date: 27-02-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-02-2017

Sample ID No : 2017-02-24-04/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Road	M30	19/02/2017	26/02/2017	149.75 X 150.25 X 150.15	22500	8.165	558.0	24.8	25.1
2	Cement Concrete Road	M30	19/02/2017	26/02/2017	150.28 X 150.87 X 150.93	22673	8.185	569.1	25.1	
3	Cement Concrete Road	M30	19/02/2017	26/02/2017	150.12 X 150.89 X 150.14	22652	8.265	573.1	25.3	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-27-03** **Date: 27-02-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-02-2017

Sample ID No : 2017-02-27-03/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	20/02/2017	27/02/2017	150.45 X 150.40 X 150.30	22628	8.130	561.2	24.8	24.9
2	Cement Concrete Road	M30	20/02/2017	27/02/2017	150.29 X 150.93 X 150.11	22683	8.234	569.4	25.1	
3	Cement Concrete Road	M30	20/02/2017	27/02/2017	150.49 X 150.35 X 150.15	22626	8.17	563.4	24.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-27-04** **Date: 28-02-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-02-2017

Sample ID No : 2017-02-27-04/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	21/02/2017	28/02/2017	150.12 X 150.45 X 150.20	22586	8.157	562.4	24.9	25.2
2	Cement Concrete Road	M30	21/02/2017	28/02/2017	150.38 X 150.20 X 150.70	22587	8.230	569.2	25.2	
3	Cement Concrete Road	M30	21/02/2017	28/02/2017	150.20 X 150.40 X 150.39	22590	8.340	576.0	25.5	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-28-02** **Date: 01-03-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-02-2017

Sample ID No : 2017-02-28-02/01

Customer ID : Cement Concrete Road

Sample Type /Size : 150X150X150mm

Sample grade/Age : M30 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Road	M30	22/02/2017	01/03/2017	150.40 X 151.34 X 150.45	22762	8.340	578.1	25.4	24.8
2	Cement Concrete Road	M30	22/02/2017	01/03/2017	151.20 X 150.90 X 150.20	22816	8.215	563.6	24.7	
3	Cement Concrete Road	M30	22/02/2017	01/03/2017	150.29 X 150.35 X 150.90	22596	8.120	549.1	24.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-02-15-03** **Date: 18-02-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.

Project Name : Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)

Customer's Reference : EE/DD/WO/111/16-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-02-2017

Sample ID No : 2017-02-15-03/01

Customer ID : PCC Concrete

Sample Type /Size : 150X150X150mm

Sample grade/Age : M20 / 7

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/02/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC Concrete	M20	10/02/2017	17/02/2017	150.32 X 150.45 X 150.32	22616	8.215	350.5	15.5	16.1
2	PCC Concrete	M20	10/02/2017	17/02/2017	150.89 X 150.25 X 150.98	22671	8.245	360.5	15.9	
3	PCC Concrete	M20	10/02/2017	17/02/2017	150.44 X 150.12 X 150.80	22584	8.321	379.4	16.8	

Note:
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Certificate No.: T- 4358

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2017-01-30-03** **Date: 02-03-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer's Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	30-01-2017
Sample ID No	:	2017-01-30-03/01
Sample Type	:	Zuari 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	31-01-2017 to 28-02-2017

Sl.No.	Physical properties	Results	Requirement as per IS 12269 : 2013
1	Fineness by dry sieving	3.48%	–
2	Finess by Air permeablity method	285.5m^2/kg	225m^2/kg, Min
3	Density	3.40 gm/cc	gm/cc
5	Standard Consistency	28.5%	Not specified
6	Initial Setting time	275 minutes	Not less than 30 minutes

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-2017-01-30-03** **Date: 02-03-2017**

Sample ID No : 2017-01-30-03/01

7	Final Setting time	355 minutes	Not more than 600 minutes
8	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm
9	Compressive Strength		
	3 Days	29.0N/mm^2	Not less than 27 N/mm^2
	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
	28 Days	56.5N/mm^2	Not less than 53 N/mm^2

Note:
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Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2017-01-30-03** **Date: 08-02-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer's Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	30-01-2017
Sample ID No	:	2017-01-30-03/02(b)
Sample Type	:	40mm down size Coarse aggregate
Reference to BIS codes	:	IS: 383 - 1970 (RA2016) (Specification for Coarse and fine Aggregates from natural sources for concrete IS: 2386 :1963(Part - 1, 2, 3) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 2: Estimation of Deleterious Materials and Organic Impurities. IS 2386 Part 3: Specific gravity, Density, Voids,Water Abservation
Date of test	:	31-01-2017

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:1970
1	80 mm	0	0	0	100	100
2	40 mm	160	160	3.2	96.8	95-100
3	20 mm	2390	2550	51	49.0	30-70
4	10 mm	1650	4200	84	16.0	10-35
5	4.75 mm	707	4907	98.14	1.9	0-5
6	Pan	93	5000	100	0.0	---

CIVIL Pro Sig..... Date..... BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2017-01-30-03** **Date: 08-02-2017**

Sample ID No : 2017-01-30-03/02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-1970
1	Flakiness Index(%)	14.2	_
2	Elongation Index(%)	13.1	_
3	Specific Gravity	2.6	_
4	Bulk Density(Loose) (Kg/l)	1.52	_
5	Bulk Density(Compacted) (Kg/l)	1.57	_
6	Water Absorption(%)	0.22	_

Note:
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Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2017-01-30-03** **Date: 08-02-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Sri Gnanendra Murthy M.D, #410, 5th Main Road, 4th Cross, Kengeri Satelite Town, Bangalore.
Project Name	:	Improvements & construction of Cc road Kempegowda nagara 2nd & 3rd main road 4th, 6th B & 6th C cross & North side of the Ganesh Saw mill road & other cross roads at ward no.15 Dasarahalli(2nd Call)
Customer Reference	:	EE/DD/WO/111/16-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	30-01-2017
Sample ID No	:	2017-01-30-03/02(a)
Sample Type/ Size	:	20mm down size Coarse aggregate
Reference to BIS codes	:	IS: 383 - 1970 (RA2016) (Specification for Coarse and fine Aggregates from natural sources for concrete IS: 2386 :1963(Part - 1, 2, 3) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 2: Estimation of Deleterious Materials and Organic Impurities. IS 2386 Part 3: Specific gravity, Density, Voids,Water Abservation
Date of test	:	31-01-2017

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:1970
1	40 mm	0	0	0	100	100
2	20 mm	96	96	1.92	98.08	95-100
3	10 mm	2291	2387	47.74	52.26	25-55
4	4.75 mm	2574	4961	99.22	0.78	0-5
5	Pan	39	5000	100	0	–

CIVIL PRO BANGALORE Sig..... Date.....

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2017-01-30-03** **Date: 08-02-2017**

Sample ID No : 2017-01-30-03/02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-1970
1	Flakiness Index(%)	10.4	_
2	Elongation Index(%)	9.2	_
3	Specific Gravity	2.64	_
4	Bulk Density(Loose) (Kg/l)	1.52	_
5	Bulk Density(Compacted) (Kg/l)	1.6	_
6	Water Absorption(%)	0.21	_
7	Ten percent fine value(KN)	190.5	_
8	Aggregate crushing Value(%)	24.2	Shall not exceed 45% by weight for aggregates used for concrete other than for wearing surface and 30% by weight for concrete for wearing surfaces such as runways, roads, pavements
9	Aggregate Impact Value(%)	23.2	Shall not exceed 45% by weight for aggregates used for concrete other than for wearing surface and 30% by weight for concrete for wearing surfaces such as runways, roads, pavements

Note:

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Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

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R KARTHIK RECHAN
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Quality Manager

End of Report

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